

=> s fab antivenom
18881 FAB
1239 ANTIVENOM
L1 23 FAB ANTIVENOM
(FAB(W) ANTIVENOM)

=> d ti 1-23

L1 ANSWER 1 OF 23 MEDLINE on STN
TI Recurrent coagulopathy and thrombocytopenia in children treated with crotalidae polyvalent immune fab: a case series.

L1 ANSWER 2 OF 23 MEDLINE on STN
TI Tracheal intubation prevented with administration of ***Fab*** ***antivenom*** after severe crotaline envenomation.

L1 ANSWER 3 OF 23 MEDLINE on STN
TI Crotaline ***Fab*** ***antivenom*** appears to be effective in cases of severe North American pit viper envenomation: an integrative review.

L1 ANSWER 4 OF 23 MEDLINE on STN
TI Crotalidae polyvalent immune Fab for the treatment of pediatric crotaline envenomation.

L1 ANSWER 5 OF 23 MEDLINE on STN
TI Preparation of crotaline F-ab antivenom (CroFab) with automated mixing methods: in vitro observations.

L1 ANSWER 6 OF 23 MEDLINE on STN
TI Subcutaneous Crotaline ***Fab*** ***antivenom*** for the treatment of rattlesnake envenomation in a porcine model.

L1 ANSWER 7 OF 23 MEDLINE on STN
TI CroFab reconstitution in various media: an in vitro solubility study.

L1 ANSWER 8 OF 23 MEDLINE on STN
TI Acute hypersensitivity reactions associated with administration of crotalidae polyvalent immune ***Fab*** ***antivenom*** .

L1 ANSWER 9 OF 23 MEDLINE on STN
TI Rattlesnake envenomation with neurotoxicity refractory to treatment with crotaline ***Fab*** ***antivenom*** .

L1 ANSWER 10 OF 23 MEDLINE on STN
TI New and novel antidotes in pediatrics.

L1 ANSWER 11 OF 23 MEDLINE on STN
TI Crotaline ***Fab*** ***antivenom*** for treatment of children with rattlesnake envenomation.

L1 ANSWER 12 OF 23 MEDLINE on STN
TI Adder bites. A report of 68 cases.

L1 ANSWER 13 OF 23 MEDLINE on STN
TI Intramuscular administration of antivenoms in experimental envenomation by Bothrops asper: comparison between Fab and IgG.

- L1 ANSWER 14 OF 23 MEDLINE on STN
TI Crotalidae polyvalent immune ***Fab*** ***antivenom*** limits the decrease in perfusion pressure of the anterior leg compartment in a porcine crotaline envenomation model.
- L1 ANSWER 15 OF 23 MEDLINE on STN
TI Crotaline ***Fab*** ***antivenom*** for the treatment of children with rattlesnake envenomation.
- L1 ANSWER 16 OF 23 MEDLINE on STN
TI Recurrence phenomena after immunoglobulin therapy for snake envenomations: Part 2. Guidelines for clinical management with crotaline ***Fab*** ***antivenom*** .
- L1 ANSWER 17 OF 23 MEDLINE on STN
TI Time to reconstitution: purified ***Fab*** ***antivenom*** vs. unpurified IgG antivenom.
- L1 ANSWER 18 OF 23 MEDLINE on STN
TI Recurrent and persistent coagulopathy following pit viper envenomation.
- L1 ANSWER 19 OF 23 MEDLINE on STN
TI Successful treatment of crotalid-induced neurotoxicity with a new polyspecific crotalid ***Fab*** ***antivenom*** .
- L1 ANSWER 20 OF 23 MEDLINE on STN
TI Relationship of venom effects to venom antigen and antivenom serum concentrations in a patient with *Crotalus atrox* envenomation treated with a ***Fab*** ***antivenom*** .
- L1 ANSWER 21 OF 23 MEDLINE on STN
TI First clinical experiences with a new ovine Fab *Echis ocellatus* snake bite antivenom in Nigeria: randomized comparative trial with Institute Pasteur Serum (Ipser) Africa antivenom.
- L1 ANSWER 22 OF 23 MEDLINE on STN
TI Development and clinical application of immunoassays for European adder (*Vipera berus berus*) venom and antivenom.
- L1 ANSWER 23 OF 23 MEDLINE on STN
TI Comparison of a new ovine antigen binding fragment (Fab) antivenin for United States Crotalidae with the commercial antivenin for protection against venom-induced lethality in mice.

=> d 23

- L1 ANSWER 23 OF 23 MEDLINE on STN
AN 1996094818 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 7485708
TI Comparison of a new ovine antigen binding fragment (Fab) antivenin for United States Crotalidae with the commercial antivenin for protection against venom-induced lethality in mice.
AU Consroe P; Egen N B; Russell F E; Gerrish K; Smith D C; Sidki A; Landon J T
CS Department of Pharmacology and Toxicology, College of Pharmacy, University

of Arizona, Tucson, USA.
SO The American journal of tropical medicine and hygiene, (1995 Nov) Vol. 53,
No. 5, pp. 507-10.
Journal code: 0370507. ISSN: 0002-9637. L-ISSN: 0002-9637.
CY United States
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 199512
ED Entered STN: 24 Jan 1996
Last Updated on STN: 24 Jan 1996
Entered Medline: 28 Dec 1995

=> s fab venom
18881 FAB
18210 VENOM
L2 1 FAB VENOM
(FAB (W) VENOM)

=> d

L2 ANSWER 1 OF 1 MEDLINE on STN
AN 1998260307 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 9580588
TI Absorption and elimination of viper venom after antivenom administration.
AU Riviere G; Choumet V; Saliou B; Debray M; Bon C
CS Unite des Venins, Institut Pasteur, Paris, France.
SO The Journal of pharmacology and experimental therapeutics, (1998 May) Vol.
285, No. 2, pp. 490-5.
Journal code: 0376362. ISSN: 0022-3565. L-ISSN: 0022-3565.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199806
ED Entered STN: 18 Jun 1998
Last Updated on STN: 18 Jun 1998
Entered Medline: 8 Jun 1998

=> s antivenom croatalus
1239 ANTIVENOM
0 CROATALUS
L3 0 ANTIVENOM CROATALUS
(ANTIVENOM (W) CROATALUS)

=> s fab and antivenom
18881 FAB
1239 ANTIVENOM
L4 128 FAB AND ANTIVENOM

=> d ti 100-128

L4 ANSWER 100 OF 128 MEDLINE on STN

- TI Interspecies scaling of clearance and volume of distribution for horse ***antivenom*** F(ab')2.
- L4 ANSWER 101 OF 128 MEDLINE on STN
- TI An objective approach to ***antivenom*** therapy and assessment of first-aid measures in snake bite.
- L4 ANSWER 102 OF 128 MEDLINE on STN
- TI Absorption and elimination of viper venom after ***antivenom*** administration.
- L4 ANSWER 103 OF 128 MEDLINE on STN
- TI Preclinical assessment of immunoreactivity of a new purified equine F(ab')2 against European viper venom.
- L4 ANSWER 104 OF 128 MEDLINE on STN
- TI Immunoglobulin G and F(ab')2 polyvalent antivenoms do not differ in their ability to neutralize hemorrhage, edema and myonecrosis induced by Bothrops asper (terciopelo) snake venom.
- L4 ANSWER 105 OF 128 MEDLINE on STN
- TI Quantitative comparison on the refinement of horse ***antivenom*** by salt fractionation and ion-exchange chromatography.
- L4 ANSWER 106 OF 128 MEDLINE on STN
- TI Purification and stability studies of immunoglobulins from Lachesis muta muta ***antivenom*** .
- L4 ANSWER 107 OF 128 MEDLINE on STN
- TI Successful treatment of crotalid-induced neurotoxicity with a new polyspecific crotalid ***Fab*** ***antivenom*** .
- L4 ANSWER 108 OF 128 MEDLINE on STN
- TI Relationship of venom effects to venom antigen and ***antivenom*** serum concentrations in a patient with Crotalus atrox envenomation treated with a ***Fab*** ***antivenom*** .
- L4 ANSWER 109 OF 128 MEDLINE on STN
- TI Affinity-purified, mixed monospecific crotalid ***antivenom*** ovine ***Fab*** for the treatment of crotalid venom poisoning.
- L4 ANSWER 110 OF 128 MEDLINE on STN
- TI First clinical experiences with a new ovine ***Fab*** Echis ocellatus snake bite ***antivenom*** in Nigeria: randomized comparative trial with Institute Pasteur Serum (Ipser) Africa ***antivenom*** .
- L4 ANSWER 111 OF 128 MEDLINE on STN
- TI Effect of ***antivenom*** on venom pharmacokinetics in experimentally envenomed rabbits: toward an optimization of ***antivenom*** therapy.
- L4 ANSWER 112 OF 128 MEDLINE on STN
- TI First clinical experiences with specific sheep ***Fab*** fragments in snake bite. Report of a multicentre study of Vipera berus envenoming.
- L4 ANSWER 113 OF 128 MEDLINE on STN
- TI Assessment of an ovine ***antivenom*** raised against venom from the desert black cobra (Walterinnesia aegyptia).

- L4 ANSWER 114 OF 128 MEDLINE on STN
TI Similar effectiveness of ***Fab*** and F(ab')2 antivenoms in the neutralization of hemorrhagic activity of Vipera berus snake venom in mice.
- L4 ANSWER 115 OF 128 MEDLINE on STN
TI Development and clinical application of immunoassays for European adder (Vipera berus berus) venom and ***antivenom***.
- L4 ANSWER 116 OF 128 MEDLINE on STN
TI Processing of pro-tumor necrosis factor-alpha by venom metalloproteinases: a hypothesis explaining local tissue damage following snake bite.
- L4 ANSWER 117 OF 128 MEDLINE on STN
TI Early infusion of a purified monospecific F(ab')2 ***antivenom*** serum for Bothrops lanceolatus bites in Martinique.
- L4 ANSWER 118 OF 128 MEDLINE on STN
TI Snake F(ab')2 ***antivenom*** from hyperimmunized horse: pharmacokinetics following intravenous and intramuscular administrations in rabbits.
- L4 ANSWER 119 OF 128 MEDLINE on STN
TI Comparison of a new ovine antigen binding fragment (***Fab***) antivenin for United States Crotalidae with the commercial antivenin for protection against venom-induced lethality in mice.
- L4 ANSWER 120 OF 128 MEDLINE on STN
TI Experimental assessment of a new, low-cost ***antivenom*** for treatment of carpet viper (Echis ocellatus) envenoming.
- L4 ANSWER 121 OF 128 MEDLINE on STN
TI Experimental evaluation of ovine antisera to Thai cobra (Naja kaouthia) venom and its alpha-neurotoxin.
- L4 ANSWER 122 OF 128 MEDLINE on STN
TI Approaches to the treatment of scorpion envenoming.
- L4 ANSWER 123 OF 128 MEDLINE on STN
TI Snake antivenoms from hyperimmunized horses: comparison of the ***antivenom*** activity and biological properties of their whole IgG and F(ab')2 fragments.
- L4 ANSWER 124 OF 128 MEDLINE on STN
TI A new ***antivenom*** to treat eastern coral snake (Micruurus fulvius fulvius) envenoming.
- L4 ANSWER 125 OF 128 MEDLINE on STN
TI ***Antivenom*** treatment in Vipera berus envenoming--report of 30 cases.
- L4 ANSWER 126 OF 128 MEDLINE on STN
TI An affinity purified ovine ***antivenom*** for the treatment of Vipera berus envenoming.
- L4 ANSWER 127 OF 128 MEDLINE on STN

TI Neutralization of kinin-releasing enzymes from viperid venoms by ***antivenom*** IgG fragments.

L4 ANSWER 128 OF 128 MEDLINE on STN

TI Neutralization of kinin-releasing enzymes of crotalid venoms by monospecific and polyspecific antivenoms.

=> d 127

L4 ANSWER 127 OF 128 MEDLINE on STN

AN 1992196815 MEDLINE <<LOGINID::20101012>>

DN PubMed ID: 1801327

TI Neutralization of kinin-releasing enzymes from viperid venoms by ***antivenom*** IgG fragments.

AU al-Joufi A; Bailey G S; Reddi K; Smith D C

CS Department of Chemistry and Biological Chemistry, University of Essex, Colchester, U.K.

SO Toxicon : official journal of the International Society on Toxinology, (1991) Vol. 29, No. 12, pp. 1509-11.

Journal code: 1307333. ISSN: 0041-0101. L-ISSN: 0041-0101.

CY ENGLAND: United Kingdom

DT Journal; Article; (JOURNAL ARTICLE)

LA English

FS Priority Journals

EM 199204

ED Entered STN: 9 May 1992

Last Updated on STN: 3 Mar 2000

Entered Medline: 20 Apr 1992

=> s antivenom and immunoassay

1239 ANTIVENOM

47800 IMMUNOASSAY

L5 32 ANTIVENOM AND IMMUNOASSAY

=> d ti 1-32

L5 ANSWER 1 OF 32 MEDLINE on STN

TI Development of a sensitive enzyme ***immunoassay*** for measuring taipan venom in serum.

L5 ANSWER 2 OF 32 MEDLINE on STN

TI An examination of the activity of expired and mistreated commercial Australian antivenoms.

L5 ANSWER 3 OF 32 MEDLINE on STN

TI Envenoming by the rough-scaled snake (*Tropidechis carinatus*): a series of confirmed cases.

L5 ANSWER 4 OF 32 MEDLINE on STN

TI An alternative method to access in vitro the hemorrhagic activity of snake venoms.

L5 ANSWER 5 OF 32 MEDLINE on STN

TI A comparison of serum ***antivenom*** concentrations after intravenous and intramuscular administration of redback (widow) spider

antivenom .

- L5 ANSWER 6 OF 32 MEDLINE on STN
TI Localization of epitopes in the toxins of *Tityus serrulatus* scorpions and neutralizing potential of therapeutic antivenoms.
- L5 ANSWER 7 OF 32 MEDLINE on STN
TI Antigenic relationships and relative immunogenicities of isolated metalloproteinases from *Echis ocellatus* venom.
- L5 ANSWER 8 OF 32 MEDLINE on STN
TI Life-threatening envenoming by the Saharan horned viper (*Cerastes cerastes*) causing micro-angiopathic haemolysis, coagulopathy and acute renal failure: clinical cases and review.
- L5 ANSWER 9 OF 32 MEDLINE on STN
TI Clinical trial of two antivenoms for the treatment of *Bothrops* and *Lachesis* bites in the north eastern Amazon region of Brazil.
- L5 ANSWER 10 OF 32 MEDLINE on STN
TI Venom of the crotaline snake *Atropoides nummifer* (jumping viper) from Guatemala and Honduras: comparative toxicological characterization, isolation of a myotoxic phospholipase A(2) homologue and neutralization by two antivenoms.
- L5 ANSWER 11 OF 32 MEDLINE on STN
TI *Lachesis muta muta* venom: immunological differences compared with *Bothrops atrox* venom and importance of specific ***antivenom*** therapy.
- L5 ANSWER 12 OF 32 MEDLINE on STN
TI Development of an ELISA to assess the potency of horse therapeutic polyvalent antithrombic ***antivenom*** .
- L5 ANSWER 13 OF 32 MEDLINE on STN
TI Inhibition of habutobin activities by habu ***antivenom*** .
- L5 ANSWER 14 OF 32 MEDLINE on STN
TI A comparison of in vitro methods for assessing the potency of therapeutic antisera against the venom of the coral snake *Micrurus nigrocinctus*.
- L5 ANSWER 15 OF 32 MEDLINE on STN
TI A randomized double-blind clinical trial of two antivenoms in patients bitten by *Bothrops atrox* in Colombia. The Regional Group on ***Antivenom*** Therapy Research (REGATHER).
- L5 ANSWER 16 OF 32 MEDLINE on STN
TI Neutralization of myonecrosis, hemorrhage, and edema induced by *Bothrops asper* snake venom by homologous and heterologous pre-existing antibodies in mice.
- L5 ANSWER 17 OF 32 MEDLINE on STN
TI The emerging syndrome of envenoming by the New Guinea small-eyed snake *Micropechis ikaheka*.
- L5 ANSWER 18 OF 32 MEDLINE on STN
TI Neurotoxicity, anticoagulant activity and evidence of rhabdomyolysis in patients bitten by death adders (*Acanthophis sp.*) in southern Papua New

Guinea.

L5 ANSWER 19 OF 32 MEDLINE on STN
TI Determination of the neutralizing potency of horse ***antivenom*** against bothropic and crotalic venoms by indirect enzyme ***immunoassay*** .

L5 ANSWER 20 OF 32 MEDLINE on STN
TI [(Evaluation of neutralizing ability of four commercially available antivenoms against the venom of Bothrops asper from Costa Rica)].
Evaluacion de la capacidad de cuatro antivenenos comerciales para neutralizar el veneno de la serpiente Bothrops asper (Terciopelo) de Costa Rica.

L5 ANSWER 21 OF 32 MEDLINE on STN
TI Venom detection kits in the management of snakebite in Central province, Papua New Guinea.

L5 ANSWER 22 OF 32 MEDLINE on STN
TI King cobra (Ophiophagus hannah) bites in Myanmar: venom antigen levels and development of venom antibodies.

L5 ANSWER 23 OF 32 MEDLINE on STN
TI Humoral response following Russell's viper (Daboia russelli siamensis) bites in Myanmar.

L5 ANSWER 24 OF 32 MEDLINE on STN
TI Snake bites by the Papuan taipan (Oxyuranus scutellatus canni): paralysis, hemostatic and electrocardiographic abnormalities, and effects of ***antivenom*** .

L5 ANSWER 25 OF 32 MEDLINE on STN
TI Experimental evaluation of ovine antisera to Thai cobra (Naja kaouthia) venom and its alpha-neurotoxin.

L5 ANSWER 26 OF 32 MEDLINE on STN
TI Neurotoxicity, haemostatic disturbances and haemolytic anaemia after a bite by a Tunisian saw-scaled or carpet viper (Echis 'pyramideum'-complex): failure of ***antivenom*** treatment.

L5 ANSWER 27 OF 32 MEDLINE on STN
TI Severe and fatal mass attacks by 'killer' bees (Africanized honey bees--Apis mellifera scutellata) in Brazil: clinicopathological studies with measurement of serum venom concentrations.

L5 ANSWER 28 OF 32 MEDLINE on STN
TI Use of enzyme immunoassays to compare the effect and assess the dosage regimens of three Brazilian Bothrops antivenoms. The Butantan Institute ***Antivenom*** Study Group (BIASG).

L5 ANSWER 29 OF 32 MEDLINE on STN
TI Quantitation by enzyme- ***immunoassay*** of antibodies against Bothrops myotoxins in four commercially-available antivenoms.

L5 ANSWER 30 OF 32 MEDLINE on STN
TI Snake venoms in science and clinical medicine. 2. Applied immunology in snake venom research.

L5 ANSWER 31 OF 32 MEDLINE on STN
TI Present tests for detection of snake venom: clinical applications.

L5 ANSWER 32 OF 32 MEDLINE on STN
TI Clinical laboratory: enzyme ***immunoassay*** for the rapid clinical identification of snake venom.

=> d 32

L5 ANSWER 32 OF 32 MEDLINE on STN
AN 1980232127 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6993892
TI Clinical laboratory: enzyme ***immunoassay*** for the rapid clinical identification of snake venom.
AU Coulter A R; Harris R D; Sutherland S K
SO The Medical journal of Australia, (1980 May 3) Vol. 1, No. 9, pp. 433-5.
Journal code: 0400714. ISSN: 0025-729X. L-ISSN: 0025-729X.
CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198009
ED Entered STN: 15 Mar 1990
Last Updated on STN: 15 Mar 1990
Entered Medline: 28 Sep 1980

=> d ab 32

L5 ANSWER 32 OF 32 MEDLINE on STN
AB The treatment of snakebite could be simplified if the identity of the offending snake was more frequently known. A positive identification, which allows the use of a specific monovalent ***antivenom***, probably occurs in less than 20% of cases. Recently published methods of venom detection (RIA and ELISA) take at least three hours to complete. We have developed a sandwich enzyme ***immunoassay*** (EIA) which is capable of detecting 0.5 ng of crude snake venom in about 90 minutes or 2 ng of crude venom in about 30 minutes. This substantial reduction in incubation times, while still retaining the sensitivity required, was due to the use of protein A purified rabbit IgG ***antivenom*** from hyperimmune serum and the enzyme horseradish peroxidase (HRPO). A rapid identification of the offending snake by this method may reduce the use of large-volume polyvent antivenoms, thus avoiding the clinical and economic disadvantages of such preparations. Other advantages would be an increased understanding of the clinical syndrome produced by the individual species of snake, and accumulation of data about the incidence of envenoming attributed to specific snakes.

=> d 30 ab

L5 ANSWER 30 OF 32 MEDLINE on STN
AB Enzyme-linked immunosorbent assay (ELISA) is a very important tool for studying both the epidemiology and clinical effects of snake bite in man. For epidemiology ELISA depends on the development and persistence of

specific humoral venom antibody in previous snake bite victims. In the Nigerian savanna 63% of previous bite victims possessed specific venom antibodies against *Echis carinatus* venom; in Ecuador, where there is a 5% annual mortality due to snake bite in a population of Waorani Indians, venom antibodies against a wide range of different venoms were identified in previous bite victims using ELISA. In certain areas it is often not possible, using the symptoms of envenoming, to determine which species of snake has bitten the patient. Field studies using ELISA in Nigeria and Thailand have been successful in establishing the species responsible for envenoming. Current studies are in progress on the development of a rapid

immunoassay which should be capable of detecting the biting species within 5-10 min of sampling from the admission patient. This will be useful for the clinician as it will enable the rapid detection of the species responsible for envenoming and, therefore, the use of the correct ***antivenom*** . Experimental work on the development of new methods

of

antivenom production includes immunization of experimental animals

with venom/liposome preparations, the preparation of venom antigens using monoclonal antibodies on affinity columns, and recombinant deoxyribonucleic acid technology. Liposomal immunization requires only a single injection of venom to obtain a rapid, high level and protective immune response. Venom liposomes may also be given orally resulting in a serum immunoglobulin G immune response in experimental animals. Use of such a system may eventually result in immunization of man in areas of high snake bite incidence and mortality.

=> d 30

L5 ANSWER 30 OF 32 MEDLINE on STN
AN 1990141923 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 2617643
TI Snake venoms in science and clinical medicine. 2. Applied immunology in snake venom research.
AU Theakston R D
CS Department of Tropical Medicine and Infectious Diseases, Liverpool School of Tropical Medicine, UK.
SO Transactions of the Royal Society of Tropical Medicine and Hygiene, (1989 Nov-Dec) Vol. 83, No. 6, pp. 741-4.
Journal code: 7506129. ISSN: 0035-9203. L-ISSN: 0035-9203.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199003
ED Entered STN: 28 Mar 1990
Last Updated on STN: 3 Feb 1997
Entered Medline: 1 Mar 1990

=> d 31

L5 ANSWER 31 OF 32 MEDLINE on STN
AN 1987324371 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 3307554
TI Present tests for detection of snake venom: clinical applications.

AU Minton S A
SO Annals of emergency medicine, (1987 Sep) Vol. 16, No. 9, pp. 932-7. Ref:
38
Journal code: 8002646. ISSN: 0196-0644. L-ISSN: 0196-0644.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198710
ED Entered STN: 5 Mar 1990
Last Updated on STN: 5 Mar 1990
Entered Medline: 1 Oct 1987
RE.CNT 38 There are 38 cited references for this document.

=> d his

(FILE 'HOME' ENTERED AT 16:54:22 ON 12 OCT 2010)

FILE 'MEDLINE' ENTERED AT 16:55:06 ON 12 OCT 2010

L1 23 S FAB ANTIVENOM
L2 1 S FAB VENOM
L3 0 S ANTIVENOM CROATALUS
L4 128 S FAB AND ANTIVENOM
L5 32 S ANTIVENOM AND IMMUNOASSAY

=> s venom and immunoassay
18213 VENOM
47812 IMMUNOASSAY
L6 139 VENOM AND IMMUNOASSAY

=> d ti 100-139

L6 ANSWER 100 OF 139 MEDLINE on STN
TI Relationship between the membrane inhibitor of reactive lysis and the erythrocyte phenotypes of paroxysmal nocturnal hemoglobinuria.

L6 ANSWER 101 OF 139 MEDLINE on STN
TI Functional activity of protein S determined with use of protein C activated by ***venom*** activator.

L6 ANSWER 102 OF 139 MEDLINE on STN
TI Effect of a Chinese medicine "kyushin" on serum digoxin concentration measurement in dogs.

L6 ANSWER 103 OF 139 MEDLINE on STN
TI RNA binding to the untransformed glucocorticoid receptor. Sensitivity to substrate-specific ribonucleases and characterization of a ribonucleic acid associated with the purified receptor.

L6 ANSWER 104 OF 139 MEDLINE on STN
TI Production and partial characterization of monoclonal antibodies to Bothrops asper (terciopelo) myotoxin.

L6 ANSWER 105 OF 139 MEDLINE on STN
TI [Determination of specific serum IgG4 by an enzyme ***immunoassay***].

Dosage des IgG4 sériques spécifiques par méthode enzymo-immunologique (E.I.A.).

- L6 ANSWER 106 OF 139 MEDLINE on STN
TI Enzyme-linked coagulation assay. IV. Sensitive sandwich enzyme-linked immunosorbent assays using Russell's viper ***venom*** factor X activator-antibody conjugates.
- L6 ANSWER 107 OF 139 MEDLINE on STN
TI A study of the prevalence and clinical significance of ***venom***-specific IgE.
- L6 ANSWER 108 OF 139 MEDLINE on STN
TI Four methods compared for measuring des-carboxy-prothrombin (PIVKA-II).
- L6 ANSWER 109 OF 139 MEDLINE on STN
TI Properties of a monoclonal antibody directed to the calmodulin-binding domain of rabbit skeletal muscle myosin light chain kinase.
- L6 ANSWER 110 OF 139 MEDLINE on STN
TI Immunochemical observations of antigen 5, a major ***venom*** allergen of hornets, yellowjackets and wasps.
- L6 ANSWER 111 OF 139 MEDLINE on STN
TI Present tests for detection of snake ***venom*** : clinical applications.
- L6 ANSWER 112 OF 139 MEDLINE on STN
TI Protein C: an automated activity assay.
- L6 ANSWER 113 OF 139 MEDLINE on STN
TI A reverse enzyme ***immunoassay*** for detection of *Vespula* spp. sensitivity.
- L6 ANSWER 114 OF 139 MEDLINE on STN
TI Sensitivity of immunoassays for detecting cross-reactivity of homologous ***venom*** proteins of yellow jackets.
- L6 ANSWER 115 OF 139 MEDLINE on STN
TI Prothrombin Clamart: prothrombin variant with defective Arg 320-IIe cleavage by factor Xa.
- L6 ANSWER 116 OF 139 MEDLINE on STN
TI Fast functional protein C assay using Protac, a novel protein C activator.
- L6 ANSWER 117 OF 139 MEDLINE on STN
TI The role of complement in monoclonal antibody-mediated protection against virulent Semliki Forest virus.
- L6 ANSWER 118 OF 139 MEDLINE on STN
TI A critical reappraisal of the use of enzyme-linked immunosorbent assays in the study of snake bite.
- L6 ANSWER 119 OF 139 MEDLINE on STN
TI Naturally occurring cardiac glycosides.
- L6 ANSWER 120 OF 139 MEDLINE on STN

- TI The subclass nature and clinical significance of the IgG antibody response in patients undergoing allergen-specific immunotherapy.
- L6 ANSWER 121 OF 139 MEDLINE on STN
TI Comparison of measurements of serum ***venom*** -specific IgG by radioimmunoassay and enzyme ***immunoassay*** .
- L6 ANSWER 122 OF 139 MEDLINE on STN
TI Liposomal immunisation against snake venoms.
- L6 ANSWER 123 OF 139 MEDLINE on STN
TI An enzyme-linked ***immunoassay*** for detection of North American pit viper venoms.
- L6 ANSWER 124 OF 139 MEDLINE on STN
TI Serological methods in the diagnosis and management of human allergic disease.
- L6 ANSWER 125 OF 139 MEDLINE on STN
TI Zymogen activation: a new system for homogeneous ligand-binding assay.
- L6 ANSWER 126 OF 139 MEDLINE on STN
TI Highly sensitive immunoassays based on use of liposomes without complement.
- L6 ANSWER 127 OF 139 MEDLINE on STN
TI Fatal snakebite in Australia.
- L6 ANSWER 128 OF 139 MEDLINE on STN
TI The application of ***immunoassay*** techniques, including enzyme-linked immunosorbent assay (ELISA), to snake ***venom*** research.
- L6 ANSWER 129 OF 139 MEDLINE on STN
TI Further studies on the mass of ***venom*** injected by Elapid snakes.
- L6 ANSWER 130 OF 139 MEDLINE on STN
TI An automated particle counting ***immunoassay*** (PACIA) for determination of blocking antibodies against timothy grass pollen in sera from desensitized allergics.
- L6 ANSWER 131 OF 139 MEDLINE on STN
TI The use of particle counting ***immunoassay*** (PACIA) for the titration of specific antibodies. Application to sera from honeybee ***venom*** -desensitized patients.
- L6 ANSWER 132 OF 139 MEDLINE on STN
TI The mass of ***venom*** injected by two elapidae: the taipan (*Oxyuranus scutellatus*) and the Australian tiger snake (*Notechis scutatus*).
- L6 ANSWER 133 OF 139 MEDLINE on STN
TI Capillary enzyme ***immunoassay*** field kits for the detection of snake ***venom*** in clinical specimens: a review of two years' use.
- L6 ANSWER 134 OF 139 MEDLINE on STN
TI A new enzyme ***immunoassay*** system suitable for field use and its

application in a snake ***venom*** detection kit.

L6 ANSWER 135 OF 139 MEDLINE on STN
TI The estimation of bee ***venom*** specific human IgG.

L6 ANSWER 136 OF 139 MEDLINE on STN
TI Clinical laboratory: enzyme ***immunoassay*** for the rapid clinical identification of snake ***venom*** .

L6 ANSWER 137 OF 139 MEDLINE on STN
TI Prothrombin Houston: a dysprothrombin identifiable by crossed immunolectrofocusing and abnormal Echis carinatus ***venom*** activation.

L6 ANSWER 138 OF 139 MEDLINE on STN
TI Immunological studies on pancreatic phospholipase A2. Antigenic characterization of the NH2-terminal region.

L6 ANSWER 139 OF 139 MEDLINE on STN
TI Circulating immune complexes, complement activation kinetics and serum sickness following treatment with heterologous anti-snake ***venom*** globulin.

=> d 134

L6 ANSWER 134 OF 139 MEDLINE on STN
AN 1982234242 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 7046996
TI A new enzyme ***immunoassay*** system suitable for field use and its application in a snake ***venom*** detection kit.
AU Chandler H M; Hurrell J G
SO Clinica chimica acta; international journal of clinical chemistry, (1982 May 20) Vol. 121, No. 2, pp. 225-30.
Journal code: 1302422. ISSN: 0009-8981. L-ISSN: 0009-8981.
CY Netherlands
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198209
ED Entered STN: 17 Mar 1990
Last Updated on STN: 17 Mar 1990
Entered Medline: 10 Sep 1982

=> d ab 134

L6 ANSWER 134 OF 139 MEDLINE on STN
AB A new rapid enzyme ***immunoassay*** (EIA) field kit for the detection of antigen in clinical specimens is reported. A kit for the detection and identification of snake ***venom*** in specimens collected from envenomated patients is described as an example of such a field kit. Tabulated data were obtained from a pilot study in which kits were issued to hospitals and laboratories reporting regular admission of snake bitten patients or presentation of specimens from such patients. Questionnaires returned from participants in the trial indicated that the test

configuration was highly acceptable and an excellent correlation was obtained between clinical diagnosis and the detection and identification of snake ***venom*** in specimens of blood, urine or bite-site swab washings.

=> d 111

L6 ANSWER 111 OF 139 MEDLINE on STN
AN 1987324371 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 3307554
TI Present tests for detection of snake ***venom*** : clinical applications.
AU Minton S A
SO Annals of emergency medicine, (1987 Sep) Vol. 16, No. 9, pp. 932-7. Ref: 38
Journal code: 8002646. ISSN: 0196-0644. L-ISSN: 0196-0644.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198710
ED Entered STN: 5 Mar 1990
Last Updated on STN: 5 Mar 1990
Entered Medline: 1 Oct 1987
RE.CNT 38 There are 38 cited references for this document.

=> d 118

L6 ANSWER 118 OF 139 MEDLINE on STN
AN 1986236418 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 3520955
TI A critical reappraisal of the use of enzyme-linked immunosorbent assays in the study of snake bite.
AU Ho M; Warrell M J; Warrell D A; Bidwell D; Voller A
SO Toxicon : official journal of the International Society on Toxinology, (1986) Vol. 24, No. 3, pp. 211-21. Ref: 40
Journal code: 1307333. ISSN: 0041-0101. L-ISSN: 0041-0101.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 198607
ED Entered STN: 21 Mar 1990
Last Updated on STN: 21 Mar 1990
Entered Medline: 2 Jul 1986
RE.CNT 40 There are 40 cited references for this document.

=> d ab 118

L6 ANSWER 118 OF 139 MEDLINE on STN
AB The enzyme-linked immunosorbent assay (ELISA) has been the most widely

used serological test in snake bite immunodiagnosis and epidemiology. The technique has been applied, however, without due consideration of the many factors which would affect an inherently sensitive test system, especially in tropical rural areas where large scale snake bite studies are usually carried out. This review discusses the effects of non-specific reactivity, cross reactivity and the quality of reagents on both the sensitivity and specificity of ***venom*** antigen and antibody detection assays. Simple laboratory modifications to optimize the assays are described. The importance of using the predictive value to assess the validity of applying the same test system in different circumstances is stressed. To fulfil its potential as the most versatile

immunoassay technique in snake bite research, the test conditions of the ELISA will have to be much more stringently controlled in future.

=> d 121

L6 ANSWER 121 OF 139 MEDLINE on STN
AN 1986058096 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 3905626
TI Comparison of measurements of serum ***venom*** -specific IgG by radioimmunoassay and enzyme ***immunoassay*** .
AU Wypych J I; Abeyounis C J; Reisman R E
SO International archives of allergy and applied immunology, (1985) Vol. 78, No. 4, pp. 411-4.
Journal code: 0404561. ISSN: 0020-5915. L-ISSN: 0020-5915.
CY Switzerland
DT (COMPARATIVE STUDY)
LA Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198512
ED Entered STN: 21 Mar 1990
Last Updated on STN: 21 Mar 1990
Entered Medline: 26 Dec 1985

=> d ab 121

L6 ANSWER 121 OF 139 MEDLINE on STN
AB Honeybee ***venom*** (BV)-, yellow jacket ***venom*** (YJV)- and honeybee ***venom*** phospholipase A (PLA)-specific IgG were measured by radioimmunoassay (RIA) and enzyme ***immunoassay*** (RIA) in 54 sera of insect-allergic patients. In the majority of sera, results of the two tests were similar. Discordant results were found in 1 of 21 sera in tests with PLA, 4 of 23 sera in tests with BV, and 1 of 16 sera in tests with YJV. The RIA measured higher antibody titers in 5 of these 'outlier' sera. The results suggest that with a few exceptions, the two assays are similar for detection of ***venom*** - and PLA-specific IgG.

=> d 123

L6 ANSWER 123 OF 139 MEDLINE on STN
AN 1985134974 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6527395
TI An enzyme-linked ***immunoassay*** for detection of North American pit

viper venoms.
AU Minton S A; Weinstein S A; Wilde C E 3rd
SO Journal of toxicology. Clinical toxicology, (1984) Vol. 22, No. 4, pp.
303-16.
Journal code: 8213460. ISSN: 0731-3810. L-ISSN: 0731-3810.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Abridged Index Medicus Journals; Priority Journals
EM 198503
ED Entered STN: 20 Mar 1990
Last Updated on STN: 20 Mar 1990
Entered Medline: 22 Mar 1985

=> d ab 123

L6 ANSWER 123 OF 139 MEDLINE on STN
AB We describe a method for immunodetection of North American pit viper venoms in clinical materials. Antibody-enzyme conjugates prepared against venoms of the western diamondback rattlesnake (*Crotalus atrox*), Mojave rattlesnake (*Crotalus scutulatus*), and copperhead (*Agiistrodon contortrix*) detect homologous venoms in concentrations of 0.1-.01 mcg/ml using a double antibody sandwich technique. Venoms of 10 additional species of U.S. pit vipers were detected in concentrations of 10 mcg/ml or less. Venoms of 4 species could not be detected at levels likely to be encountered in clinical situations. There are extensive cross-reactions between venoms of certain species, hence specific identification of a given ***venom*** cannot always be made. ***Venom*** usually can be detected at injection sites of experimental animals receiving intramuscular doses of 0.5-1.5 mg of ***venom*** but can rarely be detected in urine or plasma specimens. ***Venom*** was readily detected in specimens from experimental animals bitten by pit vipers of 6 species. The method is relatively rapid, simple, and inexpensive.

=> d 128

L6 ANSWER 128 OF 139 MEDLINE on STN
AN 1984018387 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 6414106
TI The application of ***immunoassay*** techniques, including enzyme-linked immunosorbent assay (ELISA), to snake ***venom*** research.
AU Theakston R D
SO Toxicon : official journal of the International Society on Toxicology, (1983) Vol. 21, No. 3, pp. 341-52. Ref: 52
Journal code: 1307333. ISSN: 0041-0101. L-ISSN: 0041-0101.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 198311
ED Entered STN: 19 Mar 1990

Last Updated on STN: 19 Mar 1990
Entered Medline: 23 Nov 1983
RE.CNT 52 There are 52 cited references for this document.

=> d ab 128

L6 ANSWER 128 OF 139 MEDLINE on STN
AB The development and application of ***immunoassay*** techniques in relation to snake ***venom*** research is reviewed. Enzyme linked immunosorbent assay (ELISA) is compared with radioimmunoassay, immunodiffusion, immunofluorescence, haemagglutination and immunolectrophoresis. It is concluded that ELISA is the most versatile ***immunoassay*** technique so far applied to the field of ***venom***
research, its main advantages over other methods including relatively high levels of sensitivity and specificity, reproducibility, simplicity and ease of sample collection. It can also be readily modified into kit form and is easily adapted for use in large scale epidemiological studies and for accurate retrospective diagnosis of snake bite. None of the other assay systems considered fulfil these criteria to the same extent. ELISA is helping to advance epidemiological knowledge of snake bite, in exploring the role of active immunisation and in the compilation of accurate clinical patterns of envenoming. Other applications of the test include its use for potency screening of both new and developed commercially available antivenoms and for the detection of monoclonal antibodies which should eventually result in increased specificity of the assay system by eliminating cross reactions between venoms and antibodies of closely related species.

=> d 133

L6 ANSWER 133 OF 139 MEDLINE on STN
AN 1983036363 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6752677
TI Capillary enzyme ***immunoassay*** field kits for the detection of snake ***venom*** in clinical specimens: a review of two years' use.
AU Hurrell J G; Chandler H W
SO The Medical journal of Australia, (1982 Sep 4) Vol. 2, No. 5, pp. 236-7.
Journal code: 0400714. ISSN: 0025-729X. L-ISSN: 0025-729X.
CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198212
ED Entered STN: 17 Mar 1990
Last Updated on STN: 17 Mar 1990
Entered Medline: 18 Dec 1982

=> d ab 133

L6 ANSWER 133 OF 139 MEDLINE on STN
AB A capillary enzyme ***immunoassay*** kit for the detection of snake ***venom*** in specimens from envenomed patients has now been in use for

two summer periods. Results from 130 questionnaires completed after the use of a kit are tabulated. Positive detection and identification of the snake involved was reported in 37 cases of patients in whom some clinical signs of envenoming were apparent. In 58 patients in whom no clinical signs of envenoming were observed, no ***venom*** was detected. Performance characteristics of the test were very good and could be improved if bite site swabbings or urine samples were used as the specimen for test in preference to serum or blood.

=> d 136

L6 ANSWER 136 OF 139 MEDLINE on STN
AN 1980232127 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 6993892
TI Clinical laboratory: enzyme ***immunoassay*** for the rapid clinical identification of snake ***venom*** .
AU Coulter A R; Harris R D; Sutherland S K
SO The Medical journal of Australia, (1980 May 3) Vol. 1, No. 9, pp. 433-5.
Journal code: 0400714. ISSN: 0025-729X. L-ISSN: 0025-729X.
CY Australia
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198009
ED Entered STN: 15 Mar 1990
Last Updated on STN: 15 Mar 1990
Entered Medline: 28 Sep 1980

=> d ab 136

L6 ANSWER 136 OF 139 MEDLINE on STN
AB The treatment of snakebite could be simplified if the identity of the offending snake was more frequently known. A positive identification, which allows the use of a specific monovalent antivenom, probably occurs in less than 20% of cases. Recently published methods of ***venom*** detection (RIA and ELISA) take at least three hours to complete. We have developed a sandwich enzyme ***immunoassay*** (EIA) which is capable of detecting 0.5 ng of crude snake ***venom*** in about 90 minutes or 2 ng of crude ***venom*** in about 30 minutes. This substantial reduction in incubation times, while still retaining the sensitivity required, was due to the use of protein A purified rabbit IgG antivenom from hyperimmune serum and the enzyme horseradish peroxidase (HRPO). A rapid identification of the offending snake by this method may reduce the use of large-volume polyvent antivenoms, thus avoiding the clinical and economic disadvantages of such preparations. Other advantages would be an increased understanding of the clinical syndrome produced by the individual species of snake, and accumulation of data about the incidence of envenoming attributed to specific snakes.

=> e coulter a/au

E1 1 COULTAS R N/AU
E2 7 COULTATE T P/AU
E3 104 --> COULTER A/AU
E4 9 COULTER A H/AU

E5 1 COULTER A J/AU
E6 23 COULTER A R/AU
E7 11 COULTER A W/AU
E8 2 COULTER ALAN/AU
E9 1 COULTER ANDREA/AU
E10 36 COULTER ANGELA/AU
E11 1 COULTER ANN/AU
E12 3 COULTER ANN A/AU

=> s e8
L7 2 "COULTER ALAN"/AU

=> d 1-2

L7 ANSWER 1 OF 2 MEDLINE on STN
AN 2006255695 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 16540213
TI Local immune responses following nasal delivery of an adjuvanted influenza vaccine.
AU Scheerlinck Jean-Pierre Y; Gekas Susie; Yen Hung-Hsun; Edwards Stirling;
Pearse Martin; ***Coulter Alan*** ; Sutton Phil
CS Centre for Animal Biotechnology, University of Melbourne, Parkville, 3010
Vic., Australia.
SO Vaccine, (2006 May 1) Vol. 24, No. 18, pp. 3929-36. Electronic
Publication: 2006-02-28.
Journal code: 8406899. ISSN: 0264-410X. L-ISSN: 0264-410X.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 200610
ED Entered STN: 9 May 2006
Last Updated on STN: 3 Oct 2006
Entered Medline: 2 Oct 2006

L7 ANSWER 2 OF 2 MEDLINE on STN
AN 2003040710 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 12547607
TI Intranasal vaccination with ISCOMATRIX adjuvanted influenza vaccine.
AU ***Coulter Alan*** ; Harris Rodney; Davis Roslyn; Drane Debbie; Cox
John; Ryan David; Sutton Phil; Rockman Steve; Pearse Martin
CS CSL Limited, 45 Poplar Road, Parkville, Vic 3052, Australia..
alan_coulter@csl.com.au
SO Vaccine, (2003 Feb 14) Vol. 21, No. 9-10, pp. 946-9.
Journal code: 8406899. ISSN: 0264-410X. L-ISSN: 0264-410X.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200310
ED Entered STN: 28 Jan 2003
Last Updated on STN: 31 Oct 2003
Entered Medline: 30 Oct 2003

=> s coulter and fab

2258 COULTER

18883 FAB

L8 11 COULTER AND FAB

=> d ti 1-11

L8 ANSWER 1 OF 11 MEDLINE on STN

TI [Analysis of Fas, FasL and Caspase-8 expression in thyroid gland in young patients with immune and non-immune thyroid diseases].

Analiza ekspresji czasteczek Fas, FasL oraz kaspazy 8 w tkance gruczolu tarczowego u młodych pacjentów z chorobami immunologicznymi i nieimmunologicznymi gruczolu tarczowego.

L8 ANSWER 2 OF 11 MEDLINE on STN

TI [Cytofluorometric analysis of chosen markers of apoptosis CD95/CD95L (Fas/FasL) in thyroid tissues from young patients with Graves' disease and Hashimoto's thyroiditis].

Cytofluorymetryczna analiza wybranych markerów apoptozy Fas/FasL (CD95/CD95L) w tkance gruczolu tarczowego u młodocianych pacjentów z choroba Gravesa-Basedowa oraz zapaleniem tarczycy typu Hashimoto.

L8 ANSWER 3 OF 11 MEDLINE on STN

TI P-gp expression and Rh 123 efflux assay have no impact on survival in Egyptian pediatric acute lymphoblastic leukemia patients.

L8 ANSWER 4 OF 11 MEDLINE on STN

TI Application of mouse monoclonal antibodies for identification of antigen regions of human thyroid peroxidase in adolescents with Graves' disease and non-toxic multinodular goiter by flow cytometry.

L8 ANSWER 5 OF 11 MEDLINE on STN

TI [Cytofluorometric evaluation of antigen regions of human thyroid peroxidase in patients with Graves' disease and non-toxic multinodular goiter using mouse monoclonal antibodies].

Ocena cytofluorymetryczna wybranych regionów antygenowych ludzkiej tyreoperoksydazy u pacjentów z choroba Gravesa-Basedowa oraz z wolem wieloguzkowym nietoksycznym z zastosowaniem mysich przeciwciał monoklonalnych.

L8 ANSWER 6 OF 11 MEDLINE on STN

TI A quick simple method of determining platelet aggregability following glycoprotein IIb/IIIa receptor inhibitor administration.

L8 ANSWER 7 OF 11 MEDLINE on STN

TI Detection and classification of acute leukemia by the ***Coulter*** STKS Hematology Analyzer.

L8 ANSWER 8 OF 11 MEDLINE on STN

TI Diagnosis of acute myeloid leukemia and system ***Coulter*** VCS.

L8 ANSWER 9 OF 11 MEDLINE on STN

TI Hematological analysis of leukemic diseases using an automated hematology analyzer.

L8 ANSWER 10 OF 11 MEDLINE on STN

TI Cell volumes of lymphoblasts in patients with acute lymphocytic leukaemia.

L8 ANSWER 11 OF 11 MEDLINE on STN
TI Human neutrophil aggregation and increased adherence to human endothelial cells induced by heat-aggregated IgG and immune complexes.

=> s pseudonaja
L9 97 PSEUDONAJA

=> d ti 90-97

L9 ANSWER 90 OF 97 MEDLINE on STN
TI Further studies on the mass of venom injected by Elapid snakes.

L9 ANSWER 91 OF 97 MEDLINE on STN
TI The presynaptic neuromuscular blocking effect and phospholipase A2 activity of textilotoxin, a potent toxin isolated from the venom of the Australian brown snake, ***Pseudonaja*** textilis.

L9 ANSWER 92 OF 97 MEDLINE on STN
TI Effects of Australian Eastern brown snake (***Pseudonaja*** textilis) venom on the ultrastructure of nerve terminals on the rat diaphragm.

L9 ANSWER 93 OF 97 MEDLINE on STN
TI Death from a snake bite: associated with the supine hypotensive syndrome of pregnancy.

L9 ANSWER 94 OF 97 MEDLINE on STN
TI In vitro coagulant properties of venoms from Australian snakes.

L9 ANSWER 95 OF 97 MEDLINE on STN
TI First-aid for snake-bite: efficacy of a constrictive bandage with limb immobilization in the management of human envenomation.

L9 ANSWER 96 OF 97 MEDLINE on STN
TI The effects of the subcutaneous injection of the crude venom of the Australian common brown snake, ***Pseudonaja*** textilis on the skeletal neuromuscular system.

L9 ANSWER 97 OF 97 MEDLINE on STN
TI Envenomation by the Australian common brown snake-- ***Pseudonaja*** (Demansia) textilis textilis.

L9 ANSWER 90 OF 97 MEDLINE on STN
AN 1983224623 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 6857711
TI Further studies on the mass of venom injected by Elapid snakes.
AU Morrison J J; Pearn J H; Charles N T; Coulter A R
SO Toxicon : official journal of the International Society on Toxicology, (1983) Vol. 21, No. 2, pp. 279-84.
Journal code: 1307333. ISSN: 0041-0101. L-ISSN: 0041-0101.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals

EM 198307
ED Entered STN: 19 Mar 1990
Last Updated on STN: 19 Mar 1990
Entered Medline: 8 Jul 1983

=> d 6

L10 ANSWER 6 OF 10 MEDLINE on STN
AN 1985159110 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 2580026
TI Detection of monoclonal antibodies specific for carbohydrate epitopes using periodate oxidation.
AU ***Woodward M P*** ; Young W W Jr; Bloodgood R A
NC GM28766 (United States NIGMS NIH HHS)
T32 HD07192 (United States NICHD NIH HHS)
SO Journal of immunological methods, (1985 Apr 8) Vol. 78, No. 1, pp. 143-53.
Journal code: 1305440. ISSN: 0022-1759. L-ISSN: 0022-1759.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)
LA English
FS Priority Journals
EM 198505
ED Entered STN: 20 Mar 1990
Last Updated on STN: 3 Feb 1997
Entered Medline: 15 May 1985

=> s (simplified preparation) and fab
29623 SIMPLIFIED
203529 PREPARATION
78 SIMPLIFIED PREPARATION
(s (simplified preparation) and fab
29623 SIMPLIFIED
203529 PREPARATION
78 SIMPLIFIED PREPARATION
(SIMPLIFIED(W)PREPARATION)
18883 FAB
L11 2 (SIMPLIFIED PREPARATION) AND FABSIMPLIFIED(W)PREPARATION
18883 FAB
L11 2 (SIMPLIFIED PREPARATION) AND FAB

=> d ti 1-2

L11 ANSWER 1 OF 2 MEDLINE on STN
TI Technetium-99m-labeled monoclonal antibodies for immunoscintigraphy.
Simplified ***preparation*** and evaluation.
L11 ANSWER 2 OF 2 MEDLINE on STN
TI ***Simplified*** ***preparation*** of rabbit ***Fab***
fragments.

=> d 2

L11 ANSWER 2 OF 2 MEDLINE on STN
AN 1983187594 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6341469
TI ***Simplified*** ***preparation*** of rabbit ***Fab***
fragments.
AU Coulter A; Harris R
SO Journal of immunological methods, (1983 Apr 29) Vol. 59, No. 2, pp.
199-203.
Journal code: 1305440. ISSN: 0022-1759. L-ISSN: 0022-1759.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198306
ED Entered STN: 18 Mar 1990
Last Updated on STN: 18 Mar 1990
Entered Medline: 10 Jun 1983

=> d his

(FILE 'HOME' ENTERED AT 16:54:22 ON 12 OCT 2010)

FILE 'MEDLINE' ENTERED AT 16:55:06 ON 12 OCT 2010

L1	23 S FAB ANTIVENOM
L2	1 S FAB VENOM
L3	0 S ANTIVENOM CROATALUS
L4	128 S FAB AND ANTIVENOM
L5	32 S ANTIVENOM AND IMMUNOASSAY
L6	139 S VENOM AND IMMUNOASSAY E COULTER A/AU
L7	2 S E8
L8	11 S COULTER AND FAB
L9	97 S PSEUDONAJA E WOODWARD M/AU
L10	10 S E17
L11	2 S (SIMPLIFIED PREPARATION) AND FAB

=> d ab 2

L11 ANSWER 2 OF 2 MEDLINE on STN
AB Papain attached to solid-phase CH-Sepharose 4B was used to digest rabbit IgG. Protein A-Sepharose CL-4B was used to remove undigested IgG and Fc fragments. Pure ***Fab*** fragments free of IgG, Fc fragments and papain were readily obtained by this procedure with a yield of about 75%. Polyacrylamide gel electrophoresis of the ***Fab*** in the presence of sodium dodecyl sulphate gave a single band under both reducing and non-reducing conditions. The molecular weight of the ***Fab*** determined by sedimentation equilibrium was 49,200. Unlike the IgG, the ***Fab*** obtained did not form precipitin lines when used in immunolectrophoresis.

=> s fab and (immunoassay or elisa)
18883 FAB
47812 IMMUNOASSAY

86058 ELISA

L12 1077 FAB AND (IMMUNOASSAY OR ELISA)

=> d ti 1050-1077

L12 ANSWER 1050 OF 1077 MEDLINE on STN

TI Immunochemical study on the participation of cytochrome b5 in drug oxidation reactions of mouse liver microsomes.

L12 ANSWER 1051 OF 1077 MEDLINE on STN

TI Periodate or glutaraldehyde for preparing peroxidase conjugates?.

L12 ANSWER 1052 OF 1077 MEDLINE on STN

TI Role of secretory component, a secreted glycoprotein, in the specific uptake of IgA dimer by epithelial cells.

L12 ANSWER 1053 OF 1077 MEDLINE on STN

TI Purification of high-affinity ***Fab*** fragments from experimental autoimmune myasthenia gravis rabbits and their effect on isolated acetylcholine receptors.

L12 ANSWER 1054 OF 1077 MEDLINE on STN

TI [Preparation of hybrid antibodies with mouse IgG and ferritin specificities for the immune electron microscopic detection of cell membrane antigens]. Herstellung von Hybridentikörpern gegen Maus-IgG und gegen Ferritin zur immunelektronenmikroskopischen Darstellung von Zellmembranantigenen.

L12 ANSWER 1055 OF 1077 MEDLINE on STN

TI Particle counting ***immunoassay*** . IV. The use of F(ab')₂ fragments and N epsilon-chloroacetyl lysine N-carboxyanhydride for their coupling to polystyrene latex particles.

L12 ANSWER 1056 OF 1077 MEDLINE on STN

TI Use of antibody ***Fab*** ' fragments to remove interference by rheumatoid factors with the enzyme-linked sandwich ***immunoassay*** .

L12 ANSWER 1057 OF 1077 MEDLINE on STN

TI Evaluation of a solid-phase enzyme ***immunoassay*** for insulin in human serum.

L12 ANSWER 1058 OF 1077 MEDLINE on STN

TI Purification and receptor binding properties of complexes between lutropin and monovalent antibodies against its alpha subunit.

L12 ANSWER 1059 OF 1077 MEDLINE on STN

TI Enzyme ***immunoassay*** for human ferritin.

L12 ANSWER 1060 OF 1077 MEDLINE on STN

TI Symmetry of binding sites of a mouse IgA myeloma protein (MOPC 315).

L12 ANSWER 1061 OF 1077 MEDLINE on STN

TI Immunological studies on pancreatic phospholipase A2. Antigenic characterization of the NH₂-terminal region.

L12 ANSWER 1062 OF 1077 MEDLINE on STN

TI Detection of antibodies to legionnaires disease organism by microagglutination and micro-enzyme-linked immunosorbent assay tests.

- L12 ANSWER 1063 OF 1077 MEDLINE on STN
TI Amplification of the enzyme-linked immunosorbent assay (***ELISA***) in the detection of class-specific antibodies.
- L12 ANSWER 1064 OF 1077 MEDLINE on STN
TI Heterogeneity of nephritic factor and its identification as an immunoglobulin.
- L12 ANSWER 1065 OF 1077 MEDLINE on STN
TI Use of rabbit antibody IgG bound onto plain and aminoalkylsilyl glass surface for the enzyme-linked sandwich ***immunoassay*** .
- L12 ANSWER 1066 OF 1077 MEDLINE on STN
TI Immunochemical studies on two electrophoretically homogeneous forms of rabbit liver microsomal cytochrome P-450: P-450LM2 and P-450LM4.
- L12 ANSWER 1067 OF 1077 MEDLINE on STN
TI Immune neutropenia.
- L12 ANSWER 1068 OF 1077 MEDLINE on STN
TI Enzyme-linked sandwich ***immunoassay*** of ornithine delta-aminotransferase from rat liver using antibody-coupled glass rods as solid phase.
- L12 ANSWER 1069 OF 1077 MEDLINE on STN
TI Enzyme-linked sandwich ***immunoassay*** of macromolecular antigens using the rabbit antibody-coupled glass rod as a solid phase.
- L12 ANSWER 1070 OF 1077 MEDLINE on STN
TI Enzyme-linked sandwich ***immunoassay*** of macromolecular antigens using the rabbit antibody-loaded silicone piece as a solid phase.
- L12 ANSWER 1071 OF 1077 MEDLINE on STN
TI Enzyme-linked ***immunoassay*** : conjugation of the ***Fab*** fragment of rabbit IgG with beta-D-galactosidase from E. coli and its use for ***immunoassay*** .
- L12 ANSWER 1072 OF 1077 MEDLINE on STN
TI Subcellular localization of B apoprotein of plasma lipoproteins in rat liver.
- L12 ANSWER 1073 OF 1077 MEDLINE on STN
TI Coupling ***Fab*** fragment of rabbit anti-human IgG antibody to beta-D-galactosidase and a highly sensitive ***immunoassay*** of human IgG.
- L12 ANSWER 1074 OF 1077 MEDLINE on STN
TI Total cell-associated immunoglobulin (TCAI) and immunoglobulin (Ig) synthesis of human leukocytes.
- L12 ANSWER 1075 OF 1077 MEDLINE on STN
TI Structural and functional evidence for a repeated 50S subunit ribosomal protein.
- L12 ANSWER 1076 OF 1077 MEDLINE on STN
TI Quantitation of in vivo growth of plasmacytoma X5563 by

immunoassay for its paraprotein with individual antigenic specificity.

L12 ANSWER 1077 OF 1077 MEDLINE on STN
TI Renal transplantation in the inbred rat. 3. A study of heterologous anti-thymocyte sera.

=> d 1073

L12 ANSWER 1073 OF 1077 MEDLINE on STN
AN 1976003296 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 1080467
TI Coupling ***Fab*** fragment of rabbit anti-human IgG antibody to beta-D-galactosidase and a highly sensitive ***immunoassay*** of human IgG.
AU Kato K; Hamaguchi Y; Fukui H; Ishikawa E
SO FEBS letters, (1975 Aug 15) Vol. 56, No. 2, pp. 370-2.
Journal code: 0155157. ISSN: 0014-5793. L-ISSN: 0014-5793.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197511
ED Entered STN: 13 Mar 1990
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Entered Medline: 26 Nov 1975

=> d ab 1073

L12 ANSWER 1073 OF 1077 MEDLINE on STN

=> d ti 1000-1049

L12 ANSWER 1000 OF 1077 MEDLINE on STN
TI Plasma digoxin: assay anomalies in ***Fab*** -treated patients.

L12 ANSWER 1001 OF 1077 MEDLINE on STN
TI Enzyme-labeling of antibodies and their fragments for enzyme ***immunoassay*** and immunohistochemical staining.

L12 ANSWER 1002 OF 1077 MEDLINE on STN
TI Xenoantisera against a murine T cell tumor product cross-react with immunoglobulin ***Fab*** determinants.

L12 ANSWER 1003 OF 1077 MEDLINE on STN
TI An enzyme-linked ***immunoassay*** for the measurement of circulating immune complexes.

L12 ANSWER 1004 OF 1077 MEDLINE on STN
TI Perturbation of mucosal immune defence mechanisms by bacterial IgA proteases.

L12 ANSWER 1005 OF 1077 MEDLINE on STN
TI Immunochemical quantitation of isoenzymes of aspartate aminotransferase

and lactate dehydrogenase.

- L12 ANSWER 1006 OF 1077 MEDLINE on STN
TI Automated particle-counting ***immunoassay*** of C-reactive protein and its application to serum, cord serum, and cerebrospinal fluid samples.
- L12 ANSWER 1007 OF 1077 MEDLINE on STN
TI Immunochemical properties of lipoprotein lipase. Development of an ***immunoassay*** applicable to several mammalian species.
- L12 ANSWER 1008 OF 1077 MEDLINE on STN
TI ***Immunoassay*** of three enolase isozymes in human serum and in blood cells.
- L12 ANSWER 1009 OF 1077 MEDLINE on STN
TI False positive results in class-specific rheumatoid factor (RF) assays due to interaction between RF and Fc fragments of anti-immunoglobulin indicator reagents.
- L12 ANSWER 1010 OF 1077 MEDLINE on STN
TI Sensitive enzyme ***immunoassay*** with beta-D-galactosidase- ***Fab*** conjugate for detection of type A influenza virus antigen in clinical specimens.
- L12 ANSWER 1011 OF 1077 MEDLINE on STN
TI A highly sensitive enzyme ***immunoassay*** for mouse beta nerve growth factor.
- L12 ANSWER 1012 OF 1077 MEDLINE on STN
TI Sandwich enzyme ***immunoassay*** of aprotinin.
- L12 ANSWER 1013 OF 1077 MEDLINE on STN
TI Variants of ***ELISA*** in plant virus diagnosis.
- L12 ANSWER 1014 OF 1077 MEDLINE on STN
TI Mild and efficient conjugation of rabbit ***Fab*** and horseradish peroxidase using a maleimide compound and its use for enzyme ***immunoassay*** .
- L12 ANSWER 1015 OF 1077 MEDLINE on STN
TI The relationship of the properties of antihemophilic factor (factor VIII) that support ristocetin-induced platelet agglutination (factor VIIIR:RC) and platelet retention by glass beads as demonstrated by a monoclonal antibody.
- L12 ANSWER 1016 OF 1077 MEDLINE on STN
TI Major factors limiting sensitivity of sandwich enzyme ***immunoassay*** for ferritin, immunoglobulin E, and thyroid-stimulating hormone.
- L12 ANSWER 1017 OF 1077 MEDLINE on STN
TI Immunological properties of gap junction protein from mouse liver.
- L12 ANSWER 1018 OF 1077 MEDLINE on STN
TI Determination of ferritin in urine and in serum of normal adults with a sensitive enzyme ***immunoassay*** .
- L12 ANSWER 1019 OF 1077 MEDLINE on STN

- TI A sensitive enzyme ***immunoassay*** system for the measurement of beta-thromboglobulin in plasma and urine.
- L12 ANSWER 1020 OF 1077 MEDLINE on STN
- TI Development of a highly sensitive sandwich enzyme ***immunoassay*** for human ferritin using affinity-purified anti-ferritin labelled with beta-D-galactosidase from Escherichia coli.
- L12 ANSWER 1021 OF 1077 MEDLINE on STN
- TI Particle counting ***immunoassay*** (PACIA) of ferritin.
- L12 ANSWER 1022 OF 1077 MEDLINE on STN
- TI Measurement of serum ferritin by solid-phase enzyme ***immunoassay*** : results in normal female subjects of various ages (author's transl).
- L12 ANSWER 1023 OF 1077 MEDLINE on STN
- TI A simple indirect ***ELISA*** using F(ab')₂ fragments of immunoglobulin.
- L12 ANSWER 1024 OF 1077 MEDLINE on STN
- TI Immunohistochemical localization of acid alpha-glucosidase in rat liver.
- L12 ANSWER 1025 OF 1077 MEDLINE on STN
- TI Magnetic solid-phase enzyme ***immunoassay*** for the detection of anti-glomerular basement membrane antibodies.
- L12 ANSWER 1026 OF 1077 MEDLINE on STN
- TI Determination of brain enolase isozymes with an enzyme ***immunoassay*** at the level of single neurons.
- L12 ANSWER 1027 OF 1077 MEDLINE on STN
- TI Sandwich-type enzyme ***immunoassay*** for human chorionic gonadotropin.
- L12 ANSWER 1028 OF 1077 MEDLINE on STN
- TI Highly sensitive sandwich enzyme ***immunoassay*** of human IgE with beta-D-galactosidase from Escherichia coli.
- L12 ANSWER 1029 OF 1077 MEDLINE on STN
- TI Microprocedures for quantitative immunochemical analysis of antigenic molecules and antigenic determinants.
- L12 ANSWER 1030 OF 1077 MEDLINE on STN
- TI Sensitive solid phase enzyme ***immunoassay*** for human IgA, secretory IgA, and secretory component.
- L12 ANSWER 1031 OF 1077 MEDLINE on STN
- TI Factors affecting enzyme-linked immunosorbent assay (***ELISA***) for insulin antibodies in serum.
- L12 ANSWER 1032 OF 1077 MEDLINE on STN
- TI Specific enzyme ***immunoassay*** for human chorionic gonadotrophin.
- L12 ANSWER 1033 OF 1077 MEDLINE on STN
- TI Enzyme-enhancement ***immunoassay*** : a homogeneous assay for polyvalent ligands and antibodies.

- L12 ANSWER 1034 OF 1077 MEDLINE on STN
TI Immunological evidence that plasma-membrane 5'-nucleotidase is a transmembrane protein.
- L12 ANSWER 1035 OF 1077 MEDLINE on STN
TI Quantitative analysis of melanoma-associated antigen p97 in normal and neoplastic tissues.
- L12 ANSWER 1036 OF 1077 MEDLINE on STN
TI Hemagglutinin-specific enzyme-linked immunosorbent assay for antibodies to influenza A and B viruses.
- L12 ANSWER 1037 OF 1077 MEDLINE on STN
TI Binding of fragments of human IgG to solid-phase C3b measured by enzyme-linked immunosorbent assay (***ELISA***).
- L12 ANSWER 1038 OF 1077 MEDLINE on STN
TI Does OKT3 monoclonal antibody react with an antigen-recognition structure on human T cells?.
- L12 ANSWER 1039 OF 1077 MEDLINE on STN
TI An improved preparation of antibody-coated polystyrene beads for sandwich enzyme ***immunoassay*** .
- L12 ANSWER 1040 OF 1077 MEDLINE on STN
TI Comparison of enzyme-labelled F(ab')2 and IgG conjugates in an enzyme- ***immunoassay*** for hepatitis B 'e' antigen.
- L12 ANSWER 1041 OF 1077 MEDLINE on STN
TI An immunological approach to myosin light-chain function in thick filament linked regulation. 2. Effects of anti-scallop myosin light-chain antibodies. Possible regulatory role for the essential light chain.
- L12 ANSWER 1042 OF 1077 MEDLINE on STN
TI Inhibition of alpha-bungarotoxin binding to acetylcholine receptors by antisera from animals with experimental autoimmune myasthenia gravis.
- L12 ANSWER 1043 OF 1077 MEDLINE on STN
TI Highly sensitive immunoassays for three forms of rat brain enolase.
- L12 ANSWER 1044 OF 1077 MEDLINE on STN
TI Cell adhesion molecules: detection with univalent second antibody.
- L12 ANSWER 1045 OF 1077 MEDLINE on STN
TI Proteoglycans from bovine nasal cartilage. Immunochemical studies of link protein.
- L12 ANSWER 1046 OF 1077 MEDLINE on STN
TI On the stoichiometry of the interaction between prealbumin and retinol-binding protein.
- L12 ANSWER 1047 OF 1077 MEDLINE on STN
TI Production and characterization of antibody blocking epidermal growth factor:receptor interactions.
- L12 ANSWER 1048 OF 1077 MEDLINE on STN
TI Highly sensitive enzyme ***immunoassay*** of rabbit (anti-human IgG)

IgG using human IgG-beta-D-galactosidase conjugate.

L12 ANSWER 1049 OF 1077 MEDLINE on STN
TI An enzyme ***immunoassay*** for the measurement of thyroglobulin in human serum.

=> d 1001, 1014

L12 ANSWER 1001 OF 1077 MEDLINE on STN
AN 1984008530 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6413534
TI Enzyme-labeling of antibodies and their fragments for enzyme ***immunoassay*** and immunohistochemical staining.
AU Ishikawa E; Imagawa M; Hashida S; Yoshitake S; Hamaguchi Y; Ueno T
SO Journal of immunoassay, (1983) Vol. 4, No. 3, pp. 209-327. Ref: 77
Journal code: 8007167. ISSN: 0197-1522. L-ISSN: 0197-1522.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
General Review; (REVIEW)
LA English
FS Priority Journals
EM 198311
ED Entered STN: 19 Mar 1990
Last Updated on STN: 19 Mar 1990
Entered Medline: 23 Nov 1983
RE.CNT 77 There are 77 cited references for this document.

L12 ANSWER 1014 OF 1077 MEDLINE on STN
AN 1983108774 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6759501
TI Mild and efficient conjugation of rabbit ***Fab*** ' and horseradish peroxidase using a maleimide compound and its use for enzyme ***immunoassay*** .
AU Yoshitake S; Imagawa M; Ishikawa E; Niitsu Y; Urushizaki I; Nishiura M; Kanazawa R; Kuroasaki H; Tachibana S; Nakazawa N; Ogawa H
SO Journal of biochemistry, (1982 Nov) Vol. 92, No. 5, pp. 1413-24.
Journal code: 0376600. ISSN: 0021-924X. L-ISSN: 0021-924X.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198303
ED Entered STN: 18 Mar 1990
Last Updated on STN: 3 Feb 1997
Entered Medline: 11 Mar 1983

=> d ab 1001

L12 ANSWER 1001 OF 1077 MEDLINE on STN

=> d ab 1014

L12 ANSWER 1014 OF 1077 MEDLINE on STN

AB A mild and efficient procedure for conjugating rabbit ***Fab*** ' and horseradish peroxidase using a maleimide compound was developed. The enzyme was treated with N-hydroxysuccinimide ester of N-(4-carboxycyclohexylmethyl) maleimide to introduce maleimide groups. Then, the maleimide-enzyme was allowed to react with thiol groups of ***Fab*** ' , and the conjugate formed was separated from unreacted components by gel filtration with Ultrogel AcA 44. In the peak fraction of the separated conjugate, 98% of peroxidase was associated with ***Fab*** ' and 90% of antibodies was associated with peroxidase. The recoveries in the conjugate of peroxidase and ***Fab*** ' incubated for conjugation were 65-74%. The conjugate formed appeared to be largely monomeric. Both the enzyme activity and antigen-binding activity of ***Fab*** ' were fairly well preserved in the conjugate. The cross-link formed was stable at 4 degrees C at least 6 months. Use of the conjugates obtained by this method gave greater sensitivity in sandwich enzyme ***immunoassay*** for human ferritin and human thyroid-stimulating hormone than conjugates prepared by the periodate method. The conjugation using N-hydroxysuccinimide ester of m-maleimidobenzoic acid provided a similar monomeric preparation but was less efficient.

=> d 950

L12 ANSWER 950 OF 1077 MEDLINE on STN
AN 1986079998 MEDLINE <<LOGINID::20101012>>
DN PubMed ID: 3510090
TI Competitive solid-phase enzyme ***immunoassay*** for measuring digoxin in serum.
AU Hinds J A; Pincombe C F; Morris H; Duffy P
SO Clinical chemistry, (1986 Jan) Vol. 32, No. 1 Pt 1, pp. 16-21.
Journal code: 9421549. ISSN: 0009-9147. L-ISSN: 0009-9147.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 198602
ED Entered STN: 21 Mar 1990
Last Updated on STN: 21 Mar 1990
Entered Medline: 13 Feb 1986

=> d ti 950-999

L12 ANSWER 950 OF 1077 MEDLINE on STN
TI Competitive solid-phase enzyme ***immunoassay*** for measuring digoxin in serum.

L12 ANSWER 951 OF 1077 MEDLINE on STN
TI A more sensitive enzyme ***immunoassay*** of anti-insulin IgG in guinea pig serum with less non-specific binding of normal guinea pig IgG.

L12 ANSWER 952 OF 1077 MEDLINE on STN
TI A sensitive sandwich enzyme ***immunoassay*** for human myoglobin using ***Fab*** '-horseradish peroxidase conjugate: methods and results in normal subjects and patients with various diseases.

- L12 ANSWER 953 OF 1077 MEDLINE on STN
TI A highly sensitive colorimetric sandwich-enzyme ***immunoassay*** for human chorionic gonadotropin using specific antibodies against the carboxy-terminal portion of the beta-subunit.
- L12 ANSWER 954 OF 1077 MEDLINE on STN
TI Highly sensitive enzyme ***immunoassay*** for human creatine kinase BB isozyme.
- L12 ANSWER 955 OF 1077 MEDLINE on STN
TI A sensitive two-site enzyme ***immunoassay*** for human epidermal growth factor (urogastrone).
- L12 ANSWER 956 OF 1077 MEDLINE on STN
TI Enzyme ***immunoassay*** of Clq and its application to the detection of Clq antigens in urine.
- L12 ANSWER 957 OF 1077 MEDLINE on STN
TI Homogeneous colorimetric enzyme inhibition ***immunoassay*** for cortisol in human serum with ***Fab*** anti-glucose 6-phosphate dehydrogenase as a label modulator.
- L12 ANSWER 958 OF 1077 MEDLINE on STN
TI Noncovalent association of heavy and light chains of human immunoglobulins. IV. The roles of the CH1 and CL domains in idiotypic expression.
- L12 ANSWER 959 OF 1077 MEDLINE on STN
TI Anti- ***Fab*** antibodies in humans. Predominance of minor immunoglobulin G subclasses in rheumatoid arthritis.
- L12 ANSWER 960 OF 1077 MEDLINE on STN
TI Application of a new method of antibody-enzyme conjugation with maleimide derivative for immunohistochemistry: hepatocellular production, interstitial tissue distribution, and renal cell reabsorption of plasma albumin in guinea pig.
- L12 ANSWER 961 OF 1077 MEDLINE on STN
TI Practicable enzyme ***immunoassay*** for neuron-specific enolase in human serum.
- L12 ANSWER 962 OF 1077 MEDLINE on STN
TI The effect of antibodies to human platelet membrane and cytoplasmic myosins on myosin ATPase activity and platelet aggregation.
- L12 ANSWER 963 OF 1077 MEDLINE on STN
TI Demonstration of seminal stains by enzyme ***immunoassay*** using peroxidase-conjugated anti-gamma-seminoprotein (gamma-Sm) ***Fab*** '--forensic immunological studies of body fluids and secretion, report XXIV.
- L12 ANSWER 964 OF 1077 MEDLINE on STN
TI Family distribution of anti-F(ab')₂ antibodies in relatives of patients with systemic lupus erythematosus.
- L12 ANSWER 965 OF 1077 MEDLINE on STN
TI Specificity of mouse hybridoma antibodies to DNA. III. Antigenic

determinants of nucleic acids recognized by poly(dG) specific monoclonal antibodies.

- L12 ANSWER 966 OF 1077 MEDLINE on STN
TI A new homogeneous enzyme ***immunoassay*** . Its application to measurement of alpha-fetoprotein.
- L12 ANSWER 967 OF 1077 MEDLINE on STN
TI Antibodies and digitalis: the modern revolution in the use of an ancient drug.
- L12 ANSWER 968 OF 1077 MEDLINE on STN
TI A micro-scale affinity-purification of ***Fab*** '-horseradish peroxidase conjugates and its use for sandwich enzyme ***immunoassay*** of insulin in human serum.
- L12 ANSWER 969 OF 1077 MEDLINE on STN
TI ***Immunoassay*** for the quantitation of human leukocyte interferon.
- L12 ANSWER 970 OF 1077 MEDLINE on STN
TI ***ELISA*** in the detection of hepatitis A: detection of anti-HAV IgM with F(ab').
- L12 ANSWER 971 OF 1077 MEDLINE on STN
TI Quantitation by electron microscopy of the binding of highly specific antibodies to benzo[a]pyrene-DNA adducts.
- L12 ANSWER 972 OF 1077 MEDLINE on STN
TI The mechanism of factor VIII inactivation by human antibodies. II. The effect of factor VIII R: antigen on the rate of interaction.
- L12 ANSWER 973 OF 1077 MEDLINE on STN
TI Binding of human IgA fragments to protein A-Sepharose studied with an ***ELISA*** method.
- L12 ANSWER 974 OF 1077 MEDLINE on STN
TI Specificity and sensitivity of the IgM capture ***immunoassay*** : studies of possible factors inducing false positive or false negative results.
- L12 ANSWER 975 OF 1077 MEDLINE on STN
TI Comparison of beta-D-galactosidase from Escherichia coli and horseradish peroxidase as labels of anti-human ferritin ***Fab*** ' by sandwich enzyme ***immunoassay*** technique.
- L12 ANSWER 976 OF 1077 MEDLINE on STN
TI Enzyme ***immunoassay*** of calpain I and calpastatin and its application to the analysis of human erythrocyte hemolysate.
- L12 ANSWER 977 OF 1077 MEDLINE on STN
TI [A solid-phase ***ELISA*** with specificity for rheumatoid factors of classes IgA, IgG and IgM]. Ein Festphasen- ***ELISA*** mit Spezifitat fur Rheumafaktoren der Klassen IgA, IgG und IgM.
- L12 ANSWER 978 OF 1077 MEDLINE on STN
TI Distribution of immunoreactive carbonic anhydrase III in various human

- tissues determined by a sensitive enzyme ***immunoassay*** method.
- L12 ANSWER 979 OF 1077 MEDLINE on STN
TI Evaluation of beta-D-galactosidase from Escherichia coli and horseradish peroxidase as labels by sandwich enzyme ***immunoassay*** technique.
- L12 ANSWER 980 OF 1077 MEDLINE on STN
TI Cryoprecipitation of an anti-Pr2 monoclonal IgM cold agglutinin in the presence of GM3 ganglioside.
- L12 ANSWER 981 OF 1077 MEDLINE on STN
TI Specificity of antibody and helper T-cell responses to the isologous myeloma protein W3129 and its subunits.
- L12 ANSWER 982 OF 1077 MEDLINE on STN
TI Use of enzyme-linked immunosorbent assay to detect antibodies to staphylococcal protein A in the rabbit.
- L12 ANSWER 983 OF 1077 MEDLINE on STN
TI Determination of low affinity platelet factor 4 in frozen and thawed human platelets by the newly developed enzyme ***immunoassay*** system.
- L12 ANSWER 984 OF 1077 MEDLINE on STN
TI Use of monoclonal antibodies and F(ab')2 enzyme conjugates in ***ELISA*** for IgM, IgA and IgG rheumatoid factors.
- L12 ANSWER 985 OF 1077 MEDLINE on STN
TI Antibodies to heterogeneous nuclear ribonucleoproteins in sera from patients with rheumatic autoimmune diseases.
- L12 ANSWER 986 OF 1077 MEDLINE on STN
TI Specificity of IgM antibodies to pooled human F(ab')2 fragments.
- L12 ANSWER 987 OF 1077 MEDLINE on STN
TI Sensitive enzyme ***immunoassay*** for the measurement of platelet factor 4 in blood plasma.
- L12 ANSWER 988 OF 1077 MEDLINE on STN
TI Preparation of monomeric ***Fab*** '-horseradish peroxidase conjugate using thiol groups in the hinge and its evaluation in enzyme ***immunoassay*** and immunohistochemical staining.
- L12 ANSWER 989 OF 1077 MEDLINE on STN
TI Isolation and characterization of human calcitonin gene-related peptide.
- L12 ANSWER 990 OF 1077 MEDLINE on STN
TI Particle-counting ***immunoassay*** of human somatotropin.
- L12 ANSWER 991 OF 1077 MEDLINE on STN
TI A solid-phase enzyme ***immunoassay*** for C-reactive protein: clinical value and the effect of rheumatoid factor.
- L12 ANSWER 992 OF 1077 MEDLINE on STN
TI A pancreatic oncofetal antigen (POA): its characterization and application for enzyme ***immunoassay*** .
- L12 ANSWER 993 OF 1077 MEDLINE on STN

TI Determination of tissue plasminogen activator by an enzyme-
immunoassay method.

L12 ANSWER 994 OF 1077 MEDLINE on STN

TI Highly sensitive-beta-D-galactosidase-linked immunosorbent assay for
anti-myelin basic protein antibody.

L12 ANSWER 995 OF 1077 MEDLINE on STN

TI Monoclonal antibodies to human chorionic gonadotropin and its
beta-subunit.

L12 ANSWER 996 OF 1077 MEDLINE on STN

TI Use of inorganic salts to minimize serum interference in a sandwich enzyme
immunoassay for human growth hormone using ***Fab***
'-horseradish peroxidase conjugate.

L12 ANSWER 997 OF 1077 MEDLINE on STN

TI Gonococcal protein I-specific opsonic IgG in normal human serum.

L12 ANSWER 998 OF 1077 MEDLINE on STN

TI Assay of S-100 protein by an enzyme ***immunoassay*** method.

L12 ANSWER 999 OF 1077 MEDLINE on STN

TI A sensitive enzyme-linked immunosorbent assay for IgA protease activity.

=> d 988, 975, 966

L12 ANSWER 988 OF 1077 MEDLINE on STN
AN 1984201337 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6372612
TI Preparation of monomeric ***Fab*** '-horseradish peroxidase conjugate
using thiol groups in the hinge and its evaluation in enzyme
immunoassay and immunohistochemical staining.
AU Ishikawa E; Yoshitake S; Imagawa M; Sumiyoshi A
SO Annals of the New York Academy of Sciences, (1983) Vol. 420, pp. 74-89.
Journal code: 7506858. ISSN: 0077-8923. L-ISSN: 0077-8923.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
(RESEARCH SUPPORT, NON-U.S. GOV'T)
LA English
FS Priority Journals
EM 198406
ED Entered STN: 19 Mar 1990
Last Updated on STN: 19 Mar 1990
Entered Medline: 5 Jun 1984

L12 ANSWER 975 OF 1077 MEDLINE on STN
AN 1985054736 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 6438074
TI Comparison of beta-D-galactosidase from Escherichia coli and horseradish
peroxidase as labels of anti-human ferritin ***Fab*** ' by sandwich
enzyme ***immunoassay*** technique.
AU Imagawa M; Hashida S; Ishikawa E; Niitsu Y; Urushizaki I; Kanazawa R;
Tachibana S; Nakazawa N; Ogawa H
SO Journal of biochemistry, (1984 Sep) Vol. 96, No. 3, pp. 659-64.
Journal code: 0376600. ISSN: 0021-924X. L-ISSN: 0021-924X.

CY Japan
DT (COMPARATIVE STUDY)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198501
ED Entered STN: 20 Mar 1990
Last Updated on STN: 3 Feb 1997
Entered Medline: 14 Jan 1985

L12 ANSWER 966 OF 1077 MEDLINE on STN
AN 1985207504 MEDLINE <>LOGINID::20101012>>
DN PubMed ID: 2581937
TI A new homogeneous enzyme ***immunoassay*** . Its application to measurement of alpha-fetoprotein.
AU Hoshino N; Hama M; Suzuki R; Kataoka Y; Soe G
SO Journal of biochemistry, (1985 Jan) Vol. 97, No. 1, pp. 113-8.
Journal code: 0376600. ISSN: 0021-924X. L-ISSN: 0021-924X.
CY Japan
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198507
ED Entered STN: 20 Mar 1990
Last Updated on STN: 20 Mar 1990
Entered Medline: 8 Jul 1985

=> d ab 988, 975, 966

L12 ANSWER 988 OF 1077 MEDLINE on STN
AB Horseradish peroxidase and ***Fab*** ' were conjugated by using thiol groups in the hinge of ***Fab*** '. Maleimide or pyridyl disulfide groups were introduced into peroxidase by treatment with N-succinimidyl 4-(N-maleimidomethyl)cyclohexane-1-carboxylate or N-succinimidyl 3-(2-pyridyldithio)propionate and were allowed to react with thiol groups in the hinge of ***Fab*** '. The conjugates were obtained in high yields with a minimal polymerization and without impairing the activities of peroxidase and antibodies, and were superior to those prepared using amino groups of ***Fab*** ' by the glutaraldehyde and periodate methods in performing sandwich enzyme ***immunoassay*** and immunohistochemical staining. The conjugate yield was higher in the maleimide method than in the pyridyl disulfide method.

L12 ANSWER 975 OF 1077 MEDLINE on STN
AB beta-D-Galactosidase from Escherichia coli and horseradish peroxidase were compared as labels of anti-human ferritin ***Fab*** ' by sandwich enzyme ***immunoassay*** technique using fluorogenic substrates for enzyme assay. The anti-human ferritin ***Fab*** '-peroxidase conjugates gave lower nonspecific bindings and higher specific bindings than the corresponding ***Fab*** '-beta-D-galactosidase conjugates. As a result, the former provided more sensitive dose response curves for human ferritin than the latter. However, the peroxidase conjugates were required in a larger quantity, since peroxidase assay was much less sensitive than beta-D-galactosidase assay.

L12 ANSWER 966 OF 1077 MEDLINE on STN

AB A rapid and sensitive homogeneous enzyme ***immunoassay*** (homogeneous EIA) was developed for determination of serum proteins such as alpha-fetoprotein (AFP). There are two assay systems, one is a competitive system including horseradish peroxidase (HRP)-labeled antigen, antibody and substrate, and the other is a non-competitive system including HRP-labeled antibody and substrate. When the aggregate was formed through the binding of HRP-labeled AFP and anti-AFP antibody or through the binding of HRP-labeled anti-AFP antibody and AFP, HRP of the aggregates, as compared with HRP of free conjugates, exhibited marked activity in the presence of 35 mM H₂O₂. The extent of stimulation of HRP activity depended on the amount of AFP. This new assay method is very simple and sensitive, and can be used for the determination of any kind of protein, hormone, or drug.